

EAST

(25) For the production of the PUR elastomers according to the invention, ~~low~~ molecular weight difunctional chain extenders, tri- or ~~tetra~~-functional ~~crosslinking~~ agents, or mixtures of chain extenders and ~~crosslinking~~ agents, may additionally be used as component d).

(33) Chain extenders and crosslinking agents d) of this type are used for modifying the mechanical properties, particularly the hardness, of PUR elastomers. Suitable chain extenders such as alkanediols, dialkylene glycols and polyalkylene polyols, and crosslinking agents e.g. tri- or tetrahydric alcohols and oligomeric polyalkylene polyols with a functionality of 3 to 4, usually have molecular weights of 60 to 300, preferably from 120 to 400, and particularly from 60 to 300. The chain extenders which are preferably used include alkanediols containing 2 to 12, preferably 2, 4 or 6 carbon atoms, e.g. ethanediol, 1,6-hexanediol, 1,7-heptanediol, 1,8-octanediol, 1,9-nonanediol, 1,10-decanediol and particularly 1,4-butanediol, and dialkylene glycols containing 4 to 8 carbon atoms, e.g. diethylene glycol and dipropylene glycol as well as polyalkylene glycols. Other substances which are suitable here include branched chain and/or unsaturated alkanediols which usually contain not more than 12 carbon atoms, such as 1,2-propanediol, 2-methyl-1,3-propanediol, 2,2-dimethyl-1,3-propanediol, 2-butyl-2-ethyl-1,3-propanediol, 2-butene-1,4-diol and 2-butene-1,4-diol, diesters of terephthalic acid with glycols comprising 2 to 4 carbon atoms, such as terephthalic acid-bis-ethylene glycol or terephthalic acid-bis-1,4-butanediol, hydroxyalkylene ethers of hydroquinone or resorcinol, e.g. 1,4-di-(β -hydroxyethyl)-hydroquinone or 1,3-bis-(β -hydroxyethyl)-resorcinol, alkanolamines comprising 2 to 12 carbon atoms such as ethanolamine, 2-aminopropanol and 3-amino-2,2-dimethylpropanol.

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DOCUMENT-IDENTIFIER: US 6737471 52

TITLE: Polyurethane elastomers which exhibit improved stability to hydrolysis

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INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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COUNTRY	APPL-NO	APPL-DATE
DE	100 63 497	December 20, 2000

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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current Ref	Retrieval C	Inventor	S	C	T	
1	<input type="checkbox"/>	<input type="checkbox"/>	US 673747; 52	20040518	7	Polyurethane elastomers which exhibit improved	524/773	521/129; 521/129;		Lorenz; Klaus et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*L1: (29) ("173,094,434") or ("1,989,651") or ("")
 *L3: (96) poly adj q
 *L4: (5) 12 and 13
 *L2: (39) LCPRANATE ADJ m2G
 *L5: (666) polyether adj diamine
 *L6: (42) polyether adj triamine
 *L7: (2540) tetrol
 *L8: (7) 15 and 17
 *L9: (3) 16 and 17
 *L19: (59392) polyurethane and foam
 *L11: (667) 17 and 110
 *L12: (159) polycyclopropylenetriamine
 *L13: (1) 111 and 112
 *L14: (2) ("4246369") 1.PN.
 *L15: (675) 521/163
 *L16: (611) 521/167
 *L17: (669) 521/170
 *L18: (1016) 521/174
 *L19: (1123) 115 or 116
 *L20: (1328) 117 or 118
 *L21: (320) 119 and 120
 *L22: (25) 121 and 17
 *L23: (2) ("4722946") 2N.
 *L24: (2) ("4980386") 2N.
 *L25: (2) ("4838327") 2N.

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For more information:

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	U	I	Document ID	Issue Date	Pages	Title	Current GR	Current Ref	Retrieval C	Inventor	S	C	P	E
1	<input type="checkbox"/>	<input type="checkbox"/>	GS 4839357 A	19890615	5	Polyurethane soft foam with sound insulating and	521/159	264/171.14; 264/45.4;		Lohmar, Ernst et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	JP 63260916 A	19881027	6	Sound proofing and vibration damping polyurethane type					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>